

PATENT APPLICATION DETERMINATION RECORD

Effective December 29, 1999

Application or Docket Number

09/647,457

CLAIMS AS FILED - PART I

| FOR | (Column 1) NUMBER FILED | (Column 2) NUMBER EXTRA |
|----------------------------------|----------------------------|----------------------------|
| BASIC FEE | | |
| TOTAL CLAIMS | 13 minus 20 = | |
| INDEPENDENT CLAIMS | 3 minus 3 = | |
| MULTIPLE DEPENDENT CLAIM PRESENT | | |

* If the difference in column 1 is less than zero, enter "0" in column 2

CLAIMS AS AMENDED - PART II

0104-04

| AMENDMENT A | (Column 1) CLAIMS REMAINING AFTER AMENDMENT | (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR | (Column 3) PRESENT EXTRA |
|------------------------------------------------|------------------------------------------------|--------------------------------------------------|-----------------------------|
| Total | 6 Minus | 20 | = - |
| Independent | 1 Minus | 3 | = - |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | | | |

| SMALL ENTITY TYPE <input type="checkbox"/> | | OR OTHER THAN SMALL ENTITY | |
|--------------------------------------------|--------|----------------------------|------------|
| RATE | FEE | RATE | FEE |
| | 345.00 | OR | 840 600.00 |
| X\$ 9= | | OR | X\$18= |
| X39= | | OR | X78= |
| +130= | | OR | +260= |
| TOTAL | | OR TOTAL | 840 |

| SMALL ENTITY | | OR OTHER THAN SMALL ENTITY | |
|------------------|----------------|----------------------------|----------------|
| RATE | ADDITIONAL FEE | RATE | ADDITIONAL FEE |
| X\$ 9= | | OR | X\$18= |
| X39= | | OR | X78= |
| +130= | | OR | +260= |
| TOTAL ADDIT. FEE | | OR TOTAL ADDIT. FEE | |

| SMALL ENTITY | | OR OTHER THAN SMALL ENTITY | |
|------------------|----------------|----------------------------|----------------|
| RATE | ADDITIONAL FEE | RATE | ADDITIONAL FEE |
| X\$ 9= | | OR | X\$18= |
| X39= | | OR | X78= |
| +130= | | OR | +260= |
| TOTAL ADDIT. FEE | | OR TOTAL ADDIT. FEE | |

| SMALL ENTITY | | OR OTHER THAN SMALL ENTITY | |
|------------------|----------------|----------------------------|----------------|
| RATE | ADDITIONAL FEE | RATE | ADDITIONAL FEE |
| X\$ 9= | | OR | X\$18= |
| X39= | | OR | X78= |
| +130= | | OR | +260= |
| TOTAL ADDIT. FEE | | OR TOTAL ADDIT. FEE | |

8-6-04

| AMENDMENT B | (Column 1) CLAIMS REMAINING AFTER AMENDMENT | (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR | (Column 3) PRESENT EXTRA |
|------------------------------------------------|------------------------------------------------|--------------------------------------------------|-----------------------------|
| Total | 7 Minus | 20 | = - |
| Independent | 1 Minus | 3 | = - |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | | | |

| AMENDMENT C | (Column 1) CLAIMS REMAINING AFTER AMENDMENT | (Column 2) HIGHEST NUMBER PREVIOUSLY PAID FOR | (Column 3) PRESENT EXTRA |
|------------------------------------------------|------------------------------------------------|--------------------------------------------------|-----------------------------|
| Total | 7 Minus | 20 | = 0 |
| Independent | 1 Minus | 3 | = 0 |
| FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM | | | |

* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

*** If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.